(a)

AUDIO OBJECT SET INFORMATION (AOBSI)
← PREVIOUS AUDIO OBJECT (PRECEDING TRACK) →

MUSIC# α (BEFORE COMBINING)	MUSIC# β (BEFORE COMBINING)
AOBI (TKI) #1	AOBI (TKI) #2
IMAGE POINTER INFORMATION IPI (TARGETED FOR DISPLAY)	IMAGE POINTER INFORMATION IPI (TARGETED FOR DISPLAY)

(b)

ATS_01. AOB	ATS_02. AOB	IMG_01. IOB	IMG_02. IOB	IMG_03. IOB	IMG_04. IOB

← AUDIO OBJECT →   ← IMAGE OBJECT (WHEN 20 OR LESS STILL IMAGES ARE PRESENT) →

(c)

AUDIO OBJECT SET INFORMATION (AOBSI)
← SUBSEQUENT AUDIO OBJECT (NEXT TRACK) →

MUSIC# γ (AFTER COMBINING)	
AOBI (TKI) AFTER COMBINING MUSIC NUMBERS	
AOBI#1	AOBI#2
IMAGE POINTER INFORMATION IPI (VALID)	IMAGE POINTER INFORMATION IPI (INVALID)

(d)

ATS_01. AOB	ATS_02. AOB	IMG_01. IOB	IMG_02. IOB	IMG_03. IOB	IMG_04. IOB

← AUDIO OBJECT →   ← IMAGE OBJECT (WHEN 20 OR LESS STILL IMAGES ARE PRESENT) →

FIG. 1

(a)

MUSIC #α (BEFORE COMBINING)
AOBI#1
IPI#1

MUSIC #β (BEFORE COMBINING)
AOBI#2
IPI#2

IT IS ASSUMED HERE THAT A MAXIMUM OF 20 STILL IMAGES CAN BE SPECIFIED IN IPI#n

WITHIN 20 IMAGES

WITHIN 20 IMAGES

(b)

MUSIC #γ (AFTER COMBINING)	
AOBI#1	AOBI#2
IPI#1' (VALID)	IPI#2' (INVALID)

MUSIC #η (BEFORE COMBINING)	
AOBI#3	AOBI#4
IPI#3 (VALID)	IPI#4 (INVALID)

20 OR LESS IMAGES ARE VALID TO DISPLAY

EXTRA IMAGES EXCEEDING 20 IMAGES ARE INVALID (REJECTED)

20 OR LESS IMAGES ARE VALID TO DISPLAY

EXTRA IMAGES EXCEEDING 20 IMAGES ARE INVALID (REJECTED)

←——— PREVIOUS AUDIO OBJECT (PRECEDING TRACK) ———→

(c)

MUSIC #θ (AFTER RECOMBINING)			
AOBI#1	AOBI#2	AOBI#3	AOBI#4
IPI#1" (VALID)	IPI#2' (INVALID)	IPI#3' (INVALID)	IPI#4 (INVALID)

←——— EXTRA IMAGES EXCEEDING 20 IMAGES ARE INVALID (REJECTED) ———→

20 OR LESS IMAGES ARE VALID TO DISPLAY

IPI#1" CAN BE DIRECTLY COPIED

←——— NEWLY CREATED AUDIO OBJECT (NEW TRACK) ———→

MUSIC #κ (AFTER DIVIDING)	
AOBI#6	AOBI#4
IPI#1" (VALID)	IPI#4 (INVALID)

WITHIN 20 IMAGES

EXCESS OF 20 IMAGES

(d)

←——— NEWLY CREATED AUDIO OBJECT (NEW TRACK) ———→

MUSIC #ι (AFTER DIVIDING)		
AOBI#1	AOBI#2	AOBI#5
IPI#1" (VALID)	IPI#2' (INVALID)	IPI#3' (INVALID)

WITHIN 20 IMAGES

EXCESS OF 20 IMAGES

EXCESS OF 20 IMAGES

FIG. 2

← —— PREVIOUS AUDIO OBJECT (PRECEDING TRACK) —— →

(a)

MUSIC #α · 401
(BEFORE COMBINING)

CELL INFO. CI#1 · 161

AUDIO OBJECT NFO.
AOBI#1 · 171

IMAGE POINTER
INFO. IPI#1 · 191
DISPLAY
SEQUENCE: <1>

MUSIC #β · 404
(BEFORE COMBINING)

CELL INFO. CI#7 · 156

AUDIO OBJECT INFO.
AOBI#7 · 177

IMAGE POINTER
INFO. IPI#7 · 207
DISPLAY
SEQUENCE: <1> <2>

(b)

ATS_01.
AOB
221

ATS_07.
AOB
227

IMG_01.
IOB
231

REPRESENTATIVE
IMAGE IMG_02. IOB
232 OF MUSIC #α

REPRESENTATIVE
IMAGE IMG_03. IOB
233 OF MUSIC #δ

IMG_04.
IOB
234

← —— SUBSEQUENT AUDIO OBJECT (NEXT TRACK) —— →

(c)

MUSIC #ε · 405 (AFTER COMBINING)

CELL INFO. CI#1 · 161

CELL INFO. CI#7 · 156

FIRST AOBI#1 · 171 IN MUSIC
#ε (FIRST TKI IN #ε)

AOBI#7 · 177

IPI#1 · 191 (VALID)

DISPLAY MODE
INFO. (51,52)
DISPLAY SEQUENCE: <1> <2> <3>

IPI#7 · 207 (INVALID)

NO STILL IMAGE
TO BE DISPLAYED

DISPLAY SEQUENCE & DISPLAY TIMING CAN BE
DESIGNATED USING DISPLAY MODE INFO.;
DISPLAY TIMING CAN BE SYNCHRONIZED WITH
TRANSFER UNIT OF AUDIO DATA OF MUSIC #ε

(d)

ATS_01.
AOB
221

ATS_07.
AOB
227

IMG_01.
IOB
231

REPRESENTATIVE
IMAGE IMG_02.
IOB 232 OF MUSIC
#α

IMG_03.
IOB
233

IMG_04.
IOB
234

THIS CAN BE USED AS JACKET IMAGE
(AND/OR WORD CARD, ETC.) OF MUSIC #ε

FIG. 3

← PREVIOUS AUDIO OBJECT (PRECEDING TRACK) →

(a)

MUSIC #α · 401 (BEFORE DIVIDING)

CELL INFO. CI #1 · 161

AOBI #1 · 171
TEXT POINTER
INFO. TPI#1 · 421

IPI #1 · 191
DISPLAY MODE INFO.
DISPLAY SEQUENCE: <1>

(b)

ATS_01.
AOB
221

REPRESENTATIVE
IMAGE IMG_02.
IOB 232 OF MUSIC #α

TEXT INFO.

DISPLAY MODE INFO.

NEWLY CREATED AUDIO
OBJECT (NEW TRACK)

NEWLY CREATED AUDIO
OBJECT (NEW TRACK)

(c)

MUSIC #α · 401
(AFTER DIVIDING)

CELL INFO. CI #1 · 161

AOBI #1 · 171

TPI #1 · 421

IPI #1 · 191
DISPLAY
SEQUENCE: <1>

MUSIC #ζ · 406
(AFTER DIVIDING)

CELL INFO. CI #8 · 155

AOBI #8 · 178

TPI #8 · 428
(=MAY BE TPI#1)

IPI #8 · 208
(=MAY BE IPI#1)
DISPLAY
SEQUENCE: <1>

(d)

ATS_01.
AOB
221

ATS_08.
AOB
228

REPRESENTATIVE
IMAGE IMG_02.
IOB 232 OF MUSIC #α
AND MUSIC #ζ

F I G. 4

(a)	AUDIO CARD (MEMORY CARD) 100 WITH COPY PROTECT FUNCTION			
	CARD INTERNAL CONTROL CPU/MPU 101	ROM 102 FOR RECORDING CONTROL PROGRAMS RELATED TO AUTHENTICATION/KEY EXCHANGE & I/O PROCESSING	CARD SPECIFIC ID & KEY INFORMATION RECORDING REGION (RAM) 103	APPLICATION DATA RECORDING REGION (RAM) 104

(b)	BOOT INFORMATION REGION 110	FILE ALLOCATION TABLE (FAT) RECORDING REGION 111	ROOT DIRECTORY INTERNAL INFORMATION RECORDING REGION 112	DATA REGION 113

(c)	GENERAL COMPUTER INFORMATION RECORDING REGION 120	AUDIO RELATED INFORMATION RECORDING REGION 121	GENERAL COMPUTER INFORMATION RECORDING REGION 120

(d)	MANAGEMENT INFORMATION RECORDING REGION 130	AUDIO OBJECT (AOB) RECORDING REGION 131	IMAGE OBJECT (IOB) RECORDING REGION 132	TEXT OBJECT (TOB) RECORDING REGION 133

(e)	PGC SET INFORMATION (PGCSI) RECORDING REGION 140	AOB SET INFORMATION (AOBSI) RECORDING REGION 141	IOB SET INFORMATION (IOBSI) RECORDING REGION 142	TOB SET INFORMATION (TOBSI) RECORDING REGION 143

PGC=PROGRAM CHAIN

(f)	ORIGINAL PGC (ORG_PGC) INFORMATION RECORDING REGION 150	USER DEFINED PGC (UD_PGC) #A RECORDING REGION 151	UD_PGC #B RECORDING REGION 152	------------

(g)	REGION 160 FOR RECORDING INFORMATION OF TOTAL NUMBER OF CELLS EXISTING IN PGC	CELL INFORMATION (CI) #1 RECODING REGION 161	CI#2 RECORDING REGION 162	----------

F I G. 5

(a) DISC SHAPED
INFORMATION
RECORDING
MEDIUM 170
(ID INFORMATION
BEING AVAILABLE)

READ-IN AREA (EMBOSS AND/ OR REWRITABLE DATA ZONE) 1800	VOLUME & FILE STRUCTURE INFORMATION (REWRITABLE DATA ZONE) 1810	DATA REGION (REWRITABLE DATA ZONE) 1820	READ-OUT AREA (REWRITABLE DATA ZONE) 1830

(b)

GENERAL COMPUTER INFORMATION RECORDING REGION 120	AUDIO RELATED INFORMATION RECORDING REGION 121	GENERAL COMPUTER INFORMATION RECORDING REGION 120

(c)

MANAGEMENT INFORMATION RECORDING REGION 130	AUDIO OBJECT (AOB) RECORDING REGION 131	IMAGE OBJECT (IOB) RECORDING REGION 132	TEXT OBJECT (TOB) RECORDING REGION 133

(d)

PGC SET INFORMATION (PGCSI) RECORDING REGION 140	AOB SET INFORMATION (AOBSI) RECORDING REGION 141	IOB SET INFORMATION (IOBSI) RECORDING REGION 142	TOB SET INFORMATION (TOBSI) RECORDING REGION 143

(e)

PGC=PROGRAM CHAIN

ORIGINAL PGC (ORG_PGC) INFORMATION RECORDING REGION 150	USER DEFINED PGC (UD_PGC) #A RECORDING REGION 151	UD_PGC #B RECORDING REGION 152	----------

(f)

REGION 160 FOR RECORDING INFORMATION OF TOTAL NUMBER OF CELLS EXISTING IN PGC	CELL INFORMATION (CI) #1 RECODING REGION 161	CI#2 RECORDING REGION 162	---------

(g)

FIG. 6

ROOT DIRECTORY 2000

SUBDIRECTORY 2001

REAL TIME AUDIO
RECORDING DIRECTORY 2100

DATA FILE 2002

PGCSI. IFO 2110
(PGC SET INFORMATION 140)

AOBSI. IFO 2120
(AOB SET INFORMATION 141)

IOBSI. IFO 2130
(IOB SET INFORMATION 142)

TOBSI. IFO 2140
(TOB SET INFORMATION 143)

ATS_01. AOB 2500
(AUDIO OBJECT/
MUSIC OR THE LIKE)

IMG_01. IOB 2310
(IMAGE OBJECT/
IMAGE OR THE LIKE)

TXT_01. TOB 2320
(TEXT OBJECT/
CHARACTERS OR THE LIKE)

FLAG 2400 INDICATING PRESENCE/ABSENCE
OF STILL IMAGE DATA

DVD_RTR DIRECTORY 2200

DVD AUDIO DIRECTORY 2300

ATS_01_0. IFO (MANAGEMENT DATA)

ATS_01_0. AOB (AUDIO DATA)

F I G. 7

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

(a)

ORG_PG RECORDING REGION 150	UD_PGC#A RECORDING REGION 151

(b)

MUSIC #α 301	MUSIC #β 302			MUSIC #γ 303	MUSIC #γ' 313	MUSIC #β' 312	
CELL INFORMATION CI#1 161	CI#2 162	CI#3 163	CI#4 164	CI#5 165	CI#11 167	CI#12 168	CI#13 169

AOB SET INFORMATION (AOBSI) RECORDING REGION 41

(c)

TIME MAP INFORMATION TMI 180	TMI 182	TMI 183	TMI 184	TMI 185
AUDIO OBJECT INFORMATION AOBI#1 171	AOBI#2 172	AOBI#3 173	AOBI#4 174	AOBI#5 175
IMAGE POINTER INFORMATION IPI#1 191	IPI#2 192	IPI#3 193	IPI#4 194	IPI#5 195

(d)

ATS _01. AOB 221	ATS _02. AOB 222	ATS _03. AOB 223	ATS _04. AOB 224	ATS _05. AOB 225	IMG _01. IOB 231	IMG _02. IOB 232	IMG _03. IOB 233

FIG. 8

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

(a)

ORG_PGC RECORDING REGION 150	UD_PGC#A RECORDING REGION 151

(b)

MUSIC #α 301	MUSIC #β 302		MUSIC #β' 312	MUSIC #α' 313
CI#1 161	CI#2 162	CI#3 163	CI#13 169	CI#14 170
IPI#1 196	IPI#2 197	IPI#3 198	IPI#13 199	IPI#14 200

(c)

AOBSI RECORDING REGION 141

TIME MAP INFORMATION TMI 181	TIME MAP INFORMATION TMI 182	TIME MAP INFORMATION TMI 183
AOBI#1 171	AOBI#2 172	AOBI#3 173

IOBSI RECORDING REGION 142

IMAGE OBJECT INFORMATION IOBI#1 201	IMAGE OBJECT INFORMATION IOBI#2 202

(d)

ATS _01. _AOB 221	ATS _02. _AOB 222	ATS _03. _AOB 223	IMG _01. _IOB 231	IMG _02. _IOB 232

F I G. 9

PGC SET INFORMATION (PGCSI) RECORDING REGION 40

ORIGINAL PLAY LIST	USER DEFINED PLAY LIST

(a)

ORG_PGC RECORDING REGION 150			UD_PGC #A RECORDING REGION 151	
MUSIC #α	MUSIC #β	MUSIC #γ	MUSIC #β	MUSIC #γ
CELL INFO. CI #1 161	CI #2 162 · CI #3 163 · CI #4 164	CI #5 165 · CI #6 166	CI #11 167	CI #12 168

AOB SET INFO. (AOBSI) RECORDING REGION 141

(b)

TEXT INFO. TXI #1	TXI #2	TXI #3	TXI #4	TXI #5	TXI #6
AOBI #1	AOBI #2	AOBI #3	AOBI #4	AOBI #5	AOBI #6
DISPLAY MODE INFO. (51,52)	DISPLAY MODE INFO.	DISPLAY MODE INFO. (INVALID)	DISPLAY MODE INFO. (INVALID)	DISPLAY MODE INFO.	DISPLAY MODE INFO. (INVALID)
IMAGE POINTER INFO. IPI #1 <1>	IPI #2 <1> <2> <3>	IPI #3	IPI #4	IPI #5 <1> <2>	IPI #6

AOBI #1 (TK#1)

(c)

ATS _01. AOB	ATS _02. AOB	ATS _03. AOB	ATS _04. AOB	ATS _05. AOB	ATS _06. AOB	IMG _01. IOB	IMG _02. IOB	IMG _03. IOB	IMG _04. IOB

← JACKET IMAGE, ETC. →

(d)

1ST. MUSIC #α IMG_02. IOB

2ND. MUSIC #β IMG_04. IOB

3RD. MUSIC #γ IMG_01. IOB

DISPLAY EXAMPLE OF JACKET IMAGES

FIG. 10

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

← ORIGINAL PLAY LIST →   ← USER DEFINED PLAY LIST →

(a)

ORG_PGC RECORDING REGION 150	UD_PGC #A RECORDING REGION 151	UD_PGC #B RECORDING REGION 152

ORG_PGC RECORDING REGION 150
- PGC GENERAL INFO. 1600
  - TXI #Z 430
  - IPI 190
    - <4>
    - <3>
    - <2>
    - <1>
- CELL INFO. CI#1 1610

UD_PGC #A RECORDING REGION 151
- PGC GENERAL INFO. 1660
  - TXI #A 431
  - IPI 204
    - <2>
    - <1>
- CELL INFO. CI#11 1670

UD_PGC #B RECORDING REGION 152
- PGC GENERAL INFO. 1570
  - TXI #B 432
  - IPI 205
    - <3>
    - <2>
    - <1>
- CELL INFO. CI#21 1580

(b)

AOBI#1 171	AOBI#2 172	AOBI#3 173	AOBI#4 174	AOBI#5 175

AOBI #1 (TK#1)   AOBI #2 (TK#2)

(c)

ATS _01. AOB 221	ATS _02. AOB 222	ATS _03. AOB 223	---	IMG _01. IOB 231	IMG _02. IOB 232	IMG _03. IOB 233	IMG _04. IOB 234	IMG _05. IOB 235	---

← JACKET IMAGE, ETC. →

(d)

ORG_PGC IMG_01. IOB

PGC #A IMG_04. IOB

PGC #B IMG_03. IOB

— DISPLAY EXAMPLE OF JACKET IMAGES —

F I G. 11

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

← ———— ORIGINAL PLAY LIST ————→ ← USER DEFINED PLAY LIST →

(a)

ORG_PGC RECORDING REGION 150

UD_PGC#A RECORDING REGION 151

MUSIC #α	MUSIC #β			MUSIC #γ		MUSIC #β	MUSIC #γ
CI#1 161	CI#2 162	CI#3 163	CI#4 164	CI#5 165	CI#6 166	CI#11 167	CI#12 168
TXI#1 461	TXI#2 462	TXI#3 463	TXI#4 464	TXI#5 465	TXI#6 466	TXI#7 471	TXI#8 472
IPI#1 481 <1>	IPI#2 482 <3> <2> <1>	IPI#3 483	IPI#4 484	IPI#5 485 <2> <1>	IPI#6 486	IPI#11 491 <1>	IPI#12 492 <1>

(b)

AOBSI RECORDING REGION 141

AOBI #1   AOBI #2   AOBI #3   -----

AOBI #1 (TK#1)   AOBI #2 (TK#2)

MANAGEMENT INFO.1 RELEVANT TO IMG_01. IOB#A

MANAGEMENT INFO.2 RELEVANT TO IMG_02. IOB#A

MANAGEMENT INFO.3 RELEVANT TO IMG_03. IOB#A

MANAGEMENT INFO.4 RELEVANT TO IMG_04. IOB#A

IOBSI RECORDING REGION 142

(c)

ATS _01. AOB   ATS _02. AOB   ATS _03. AOB   ATS _04. AOB   ATS _05. AOB   ATS _06. AOB   IMG _01. IOB   IMG _02. IOB   IMG _03. IOB   IMG _04. IOB

← JACKET IMAGE, ETC. →

(d)

1ST. MUSIC #α IMG_02. IOB   2ND. MUSIC #β IMG_04. IOB   3RD. MUSIC #γ IMG_01. IOB

— DISPLAY EXAMPLE OF JACKET IMAGES —

F I G. 12

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

(a)

| ORG_PGC RECORDING REGION 150 | UD_PGC#A RECORDING REGION 151 |

(b)

MUSIC #α 301	MUSIC #β 302	MUSIC #γ' 303	MUSIC #γ' 313	MUSIC #β' 312
CELL INFORMATION CI#1 161	CI#2 162 / CI#3 163 / CI#4 164	CI#5 165	CI#11 167	CI#12 168 / CI#13 169

TOB SET INFORMATION (TOBSI) RECORDING REGION 143

(c)

TIME MAP INFORMATION TMI 181	TMI 182	TMI 183	TMI 184	TMI 185
TEXT OBJECT INFORMATION TOBI#1	TOBI#2	TOBI#3	TOBI#4	TOBI#5
TEXT POINTER INFORMATION TPI#1 191T	TPI#2 192T	TPI#3 193T	TPI#4 194T	TPI#5 195T

(d)

| ATS _01. AOB 221 | ATS _02. AOB 222 | ATS _03. AOB 223 | ATS _04. AOB 224 | ATS _05. AOB 225 | TXT _01. TOB 231T | TXT _02. TOB 232T | TXT _03. TOB 233T |

F I G. 13

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

(a)

ORG_PGC RECORDING REGION 150	UD_PGC#A RECORDING REGION 151

(b)

MUSIC #α 301	MUSIC #β 302		MUSIC #β' 312	MUSIC #α' 313
CI#1 161	CI#2 162	CI#3 163	CI#13 169	CI#14 170
TPI#1 196T	TPI#2 197T	TPI#3 198	TPI#13 199	TPI#14 200T

(c)

AOBSI RECORDING REGION 141

TIME MAP INFORMATION TMI 181	TIME MAP INFORMATION TMI 182	TIME MAP INFORMATION TMI 183
AOBI#1 171	AOBI#2 172	AOBI#3 173

TOBSI RECORDING REGION 143

TEXT OBJECT INFORMATION TOBI#1 201T	TEXT OBJECT INFORMATION TOBI#2 202T

(d)

ATS _01. AOB 221	ATS _02. AOB 222	ATS _03. AOB 223	TXT _01. TOB 231T	TXT _02. TOB 232T

FIG. 14

(a)

PGC SET INFORMATION (PGCSI) RECORDING REGION 140

ORG_PGC RECORDING REGION 150	UD_PGC#A RECORDING REGION 151

(b)

MUSIC #α 301	MUSIC #β 302			MUSIC #γ 303	MUSIC #γ' 313	MUSIC #β' 312	
CELL INFORMATION CI#1 161	CI#2 162	CI#3 163	CI#4 164	CI#5 165	CI#11 167	CI#12 168	CI#13 169

(c)

AOB SET INFORMATION (AOBSI) RECORDING REGION 141

TIME MAP INFORMATION TMI 181	TMI 182	TMI 183	TMI 184	TMI 185
AUDIO OBJECT INFORMATION AOBI#1 171	AOBI#2 172	AOBI#3 173	AOBI#4 174	AOBI#5 175
TEXT POINTER INFORMATION TPI#1 191T	TPI#2 192T	TPI#3 193T	TPI#4 194T	TPI#5 195T

(d)

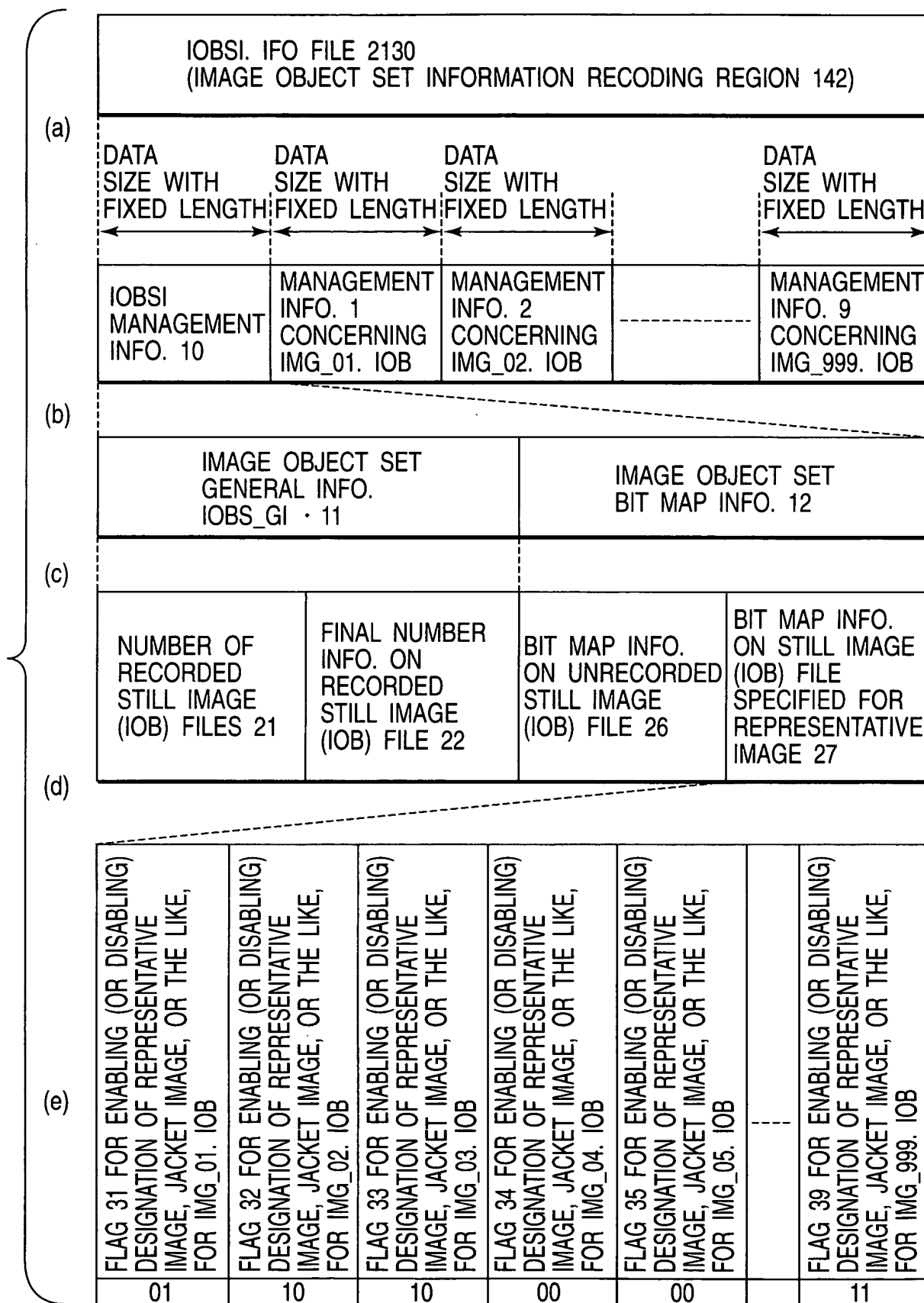| ATS_01. AOB 221	ATS_02. AOB 222	ATS_03. AOB 223	ATS_04. AOB 224	ATS_05. AOB 225	TXT_01. TOB 231T	TXT_02. TOB 232T	TXT_03. TOB 233T

F I G. 15

(a)
IOBSI. IFO FILE 2130 (IMAGE OBJECT SET INFORMATION RECODING REGION 142)

	DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH		DATA SIZE WITH FIXED LENGTH

(b)
IOBSI MANAGEMENT INFO. 10	MANAGEMENT INFO. 1 CONCERNING IMG_01. IOB	MANAGEMENT INFO. 2 CONCERNING IMG_02. IOB	--------	MANAGEMENT INFO. 9 CONCERNING IMG_999. IOB

(c)
IMAGE OBJECT SET GENERAL INFO. IOBS_GI · 11	IMAGE OBJECT SET BIT MAP INFO. 12 ＊

(d)
NUMBER OF RECORDED STILL IMAGE (IOB) FILES 21	FINAL NUMBER INFO. ON RECORDED STILL IMAGE (IOB) FILE 22	MANAGEMENT INFO. ON STILL IMAGE ID INFO. 26 ＊	BIT MAP INFO. ON STILL IMAGE (IOB) FILE SPECIFIED FOR REPRESENTATIVE IMAGE 27

(e)
FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE (OR DATA PRESENCE/ABSENCE FLAG) OF IMG_01. IOB 41 ＊	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_02. IOB (OR DATA PRESENCE/ABSENCE FLAG) 42 ＊	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_03. IOB (OR DATA PRESENCE/ABSENCE FLAG) 43 ＊	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_04. IOB (OR DATA PRESENCE/ABSENCE FLAG) 44 ＊	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_05. IOB (OR DATA PRESENCE/ABSENCE FLAG) 45 ＊	----	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_0999. IOB (OR DATA PRESENCE/ABSENCE FLAG) 49 ＊

← FLAGS INDICATING PRESENCE/ABSENCE OF STILL IMAGE DATA → (TOTALLY MANAGED BY FILE OF SUBDIRECTORY 2400)

F I G. 16

(a)

"NUMBER OF RECORDED STILL IMAGE (IOB) FILES" 21	"FINAL NUMBER INFO. ON RECORDED STILL IMAGE (IOB) FILE" 22	MANAGEMENT INFO. ON STILL IMAGE ID INFO. 26 *	"BIT MAP INFO. ON STILL IMAGE (IOB) FILE SPECIFIED FOR REPRESENTATIVE IMAGE" 27

(b)

FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_01. IOB 41 *	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_02. IOB 42 *	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_03. IOB 43 *	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_04. IOB 44 *	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_05. IOB 45 *	---	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_999. IOB 49 *

(c)

01	00	01	00	01		00

DATA PRESENCE/ABSENCE FLAGS (2 BITS) MANAGED TOGETHER IN SINGLE FILE

(d)

PRESENCE OF IMG_01 .IOB	NO STILL IMAGE DATA	PRESENCE OF IMG_03 .IOB	NO STILL IMAGE DATA	PRESENCE OF IMG_05 .IOB

1ST ONE OF JACKET IMAGE, ETC

NO STILL IMAGE DATA	PRESENCE OF IMG_07 .IOB	PRESENCE OF IMG_08 .IOB	NO STILL IMAGE DATA	NO STILL IMAGE DATA

PRESENCE OF IMG_51 .IOB	PRESENCE OF IMG_52 .IOB

*WHERE CONTENTS OF FINAL NUMBER INFORMATION 22 OF RECORDED STILL IMAGE (IOB) FILE IS "52"

52ND ONE OF JACKET IMAGE, ETC.

F I G. 17

(a)

IOBSI. IFO FILE 2130 (IMAGE OBJECT SET INFORMATION RECODING REGION 142)				
DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH	DATA SIZE WITH FIXED LENGTH		DATA SIZE WITH FIXED LENGTH
IOBSI MANAGEMENT INFO. 10	MANAGEMENT INFO. 1 CONCERNING IMG_01. IOB	MANAGEMENT INFO. 2 CONCERNING IMG_02. IOB	————	MANAGEMENT INFO. 9 CONCERNING IMG_999. IOB

(b)

IMAGE OBJECT SET GENERAL INFO. IOBS_GI · 11	IMAGE OBJECT SET BIT MAP INFO. 12

(c)

NUMBER OF RECORDED STILL IMAGE (IOB) FILES 21	FINAL NUMBER INFO. ON RECORDED STILL IMAGE (IOB) FILE 22	BIT MAP INFO. ON UNRECORDED STILL IMAGE (IOB) FILE 26	BIT MAP INFO. ON STILL IMAGE (IOB) FILE SPECIFIED FOR REPRESENTATIVE IMAGE 27

(d)

(e)

FLAG 31 FOR ENABLING (OR DISABLING) DESIGNATION OF REPRESENTATIVE IMAGE, JACKET IMAGE, OR THE LIKE, FOR IMG_01. IOB	FLAG 32 FOR ENABLING (OR DISABLING) DESIGNATION OF REPRESENTATIVE IMAGE, JACKET IMAGE, OR THE LIKE, FOR IMG_02. IOB	FLAG 33 FOR ENABLING (OR DISABLING) DESIGNATION OF REPRESENTATIVE IMAGE, JACKET IMAGE, OR THE LIKE, FOR IMG_03. IOB	FLAG 34 FOR ENABLING (OR DISABLING) DESIGNATION OF REPRESENTATIVE IMAGE, JACKET IMAGE, OR THE LIKE, FOR IMG_04. IOB	FLAG 35 FOR ENABLING (OR DISABLING) DESIGNATION OF REPRESENTATIVE IMAGE, JACKET IMAGE, OR THE LIKE, FOR IMG_05. IOB		FLAG 39 FOR ENABLING (OR DISABLING) DESIGNATION OF REPRESENTATIVE IMAGE, JACKET IMAGE, OR THE LIKE, FOR IMG_999. IOB
01	10	10	00	00	————	11

F I G. 18

(a)

IOBSI. IFO FILE 2130 (IMAGE OBJECT SET INFORMATION RECODING REGION 142)

DATA SIZE WITH FIXED LENGTH • DATA SIZE WITH FIXED LENGTH • DATA SIZE WITH FIXED LENGTH • DATA SIZE WITH FIXED LENGTH

(b)

IOBSI MANAGEMENT INFO. 10	MANAGEMENT INFO. 1 CONCERNING IMG_01. IOB (COUNT INFO, OF IOB)	MANAGEMENT INFO. 2 CONCERNING IMG_02. IOB (COUNT INFO, OF IOB)	————	MANAGEMENT INFO. 9 CONCERNING IMG_999. IOB (COUNT INFO, OF IOB)

(c)

ATTRIBUTE INFO. 431 ON STILL IMAGE (IOB)	REPRESENTATIVE IMAGE (OR JACKET IMAGE, ETC.) DESIGNATION STATE INFO. 432

*N DENOTES A POSITIVE FIXED NUMBER

(d)

STILL IMAGE COMPRESSION METHOD AND COMPRESSION VERSION INFO. 441	STILL IMAGE RESOLUTION INFO. 442	FLAG FOR DISCRIMINATING RECORDED/UNRECORDED STATE OF IMG_01. IOB (OR DATA PRESENCE/ABSENCE FLAG) 41*	INFO. ON MUSIC NUMBER DESIGNATED AS REPRESENTATIVE IMAGE, ETC. 450	MUSIC NUMBER OR AOBI NUMBER/CI NUMBER/TKI NUMBER DESIGNATED AS FIRST REPRESENTATIVE IMAGE, ETC. 451	————	MUSIC NUMBER OR AOBI NUMBER/CI NUMBER/TKI NUMBER DESIGNATED AS N-TH REPRESENTATIVE IMAGE, ETC. 452

←——— INFO. SIMILAR TO THOSE IS STORED IN MANAGEMENT ———→
INFO. 1 TO 9 OF IMG_xx.IOB (xx=01 TO 999)

F I G. 19

(a) | IMAGE POINTER INFO. (IPI) 40 IN AOBI (TKI) AT HEAD OF MUSIC NUMBER

(b)

DISPLAY MODE INFO. 43 ON STILL IMAGE IN UNITS OF MUSIC NUMBERS, PGCs, OR PLAY LISTS	DISPLAY MODE INFO. 47 ON STILL IMAGE IN UNITS OF MUSIC NUMBERS, PGCs, OR PLAY LISTS

(c)

DISPLAY MODE INFO. (51,52)		NUMBER OF STILL IMAGES DISPLAYED IN UNITS OF MUSIC NUMBERS, PGCs, OR PLAY LISTS 60	INFO. ON 1ST DISPLAYED STILL IMAGE (TEXT SUCH AS WORDS OF MUSIC MAY BE CONTAINED) 61	----	INFO. ON M-TH DISPLAYED STILL IMAGE (TEXT SUCH AS WORDS OF MUSIC MAY BE CONTAINED) 69
STILL IMAGE DISPLAY SEQUENCE SET MODE INFO. 51	STILL IMAGE DISPLAY TIMING SET MODE INFO. 52				
DESIGNATION OF DISPLAY METHOD (SEQUENTIAL, RANDOM, SHUFFLE, BROWSE, ETC.)	SETTING OF DISPLAY TIMING SYNCHRONIZED WITH BOUNDARIES OF AUDIO FRAMES OF AOB MANAGED BY AOBI (TKI)				

*M DENOTES A POSITIVE FIXED NUMBER

(d)

FLAG 71 FOR DESIGNATING REPRESENTATIVE IMAGE, JACKET IMAGE, ETC., IN UNITS OF MUSIC NUMBERS, PGCs, OR PLAY LISTS	STILL IMAGE FILE NUMBER OF M-TH DISPLAYED STILL IMAGE IN MUSIC NUMBER, IN PGC, OR IN PLAY LISTS 72

F I G. 20

PLAY LIST MANAGER PLM
(ORIGINAL DEFAULT PLAY LIST DPL)

(USER DEFINED)
PLAY LIST

DEFAULT PLAY LIST GENERAL INFO.					PLAY LIST GENERAL INFO.	
MUSIC A	MUSIC B				MUSIC B	MUSIC A
AOB GENERAL INFO.	AOB GENERAL INFO. (GENERAL INFO. OF TRACK TK)			UNRECORDED	AOB GENERAL INFO.	AOB GENERAL INFO.
DISPLAY MODE (51,52)	ATTRIBUTE INFO. (DISPLAY MODE INFO.51,52) OF DISPLAY MODE (DISPLAY SEQUENCE SETTING MODE/DISPLAY TIMING SETTING MODE)				DISPLAY MODE (51,52)	DISPLAY MODE (51,52)
DPL_TK _SRP#1	DPL_TK _SRP#2	DPL_TK _SRP#3	DPL_TK _SRP#5	DPL_TK _SRP#4	DPL_TK _SRP#2	DPL_TK _SRP#1

TRACK MANAGER TKM

TRACK INFORMATION TKI#1
TKI_IOB _SRP
TMSRT

TRACK INFORMATION TKI#2
TKI_IOB _SRP
TMSRT

TRACK INFORMATION TKI#3
TKI_IOB _SRP
TMSRT

TRACK INFORMATION TKI#4 (UNUSED)

TRACK INFORMATION TKI#5
TKI_IOB _SRP
TMSRT

JACKET IMAGE, WORD CARD IMAGE, ETC.

AOB001. SA1
AOB002. SA1
AOB003. SA1
AOB005. SA1

IOB001. IOB
IOB002. IOB

DISTRIBUTION FILE (MUSIC A)

DISTRIBUTION FILE (MUSIC B)

SPECIFIC TIME
SPECIFIC TIME

AUDIO OBJECT AOB

TRANSMISSION FILE
TRANSMISSION FILE

IMAGE OBJECT IOB

F I G. 21

(a)	AUDIO OBJECT (AOB) FILE 2500 (ATS_01. AOB OR THE LIKE)

(b)	AUDIO OBJECT UNIT AOBU 2510	AOBU 2520	-------------	AOBU 2530

(c)	AUDIO FRAME (AOB FRAME) 2610	AOB FRAME 2620	-------------	AOB FRAME 2630

(d)	ADTS HEADER 2710		
	FIXED HEADER 2720 (INCLUDING AOB SYNCHRONIZING WORD)	VARIABLE HEADER 2730	COMPRESSED (ACC) AUDIO INFORMATION RECORDING REGION 2740

(e)	NON-ENCRYPTING REGION 2810	ENCRYPTING REGION 2820						REGION 'g'
		ENCRYPTING UNIT #a	ENCRYPTING UNIT #b	ENCRYPTING UNIT #c	ENCRYPTING UNIT #d	ENCRYPTING UNIT #e	ENCRYPTING UNIT #f	

F I G. 22

FIG. 23

CCD CAMERA 3610

TV TUNER 3620

DIGITAL CAMERA 3630

TEXT INFORMATION INPUT SECTION (KEYBOARD OR INPUT DIAL) 3530

DATA INPUT PC 3640

ANALOG INPUT TERMINAL 3570

VOICE INPUT MICROPHONE 3650

VIDEO CAPTURE SECTION 3510

DIGITAL CAMERA I/F PROCESSING SECTION 3520

INTER-PC DATA I/F PROCESSING SECTION 3540

ADC 3350

MICROPHONE INPUT TERMINAL 3560

SWITCHING SECTION (DATA BUS LINE) FOR INPUT DATA TRANSFER DESTINATION 3210

AUDIO ENCODER (MPEG2 AAC COMPRESSION) 3310

DIGITAL INPUT TERMINAL 3580

MEMORY CARD 100

ENCRYPTION/DECRYPTION PROCESSING SECTION 3010

ENCRYPTION PROCESSING SECTION 3110

INFORMATION RECORDING AND REPRODUCING SECTION 3000

MATUAL AUTHENTICATION/ KEY EXCHANGE & ENCRYPTION INFORMATION I/F CONTROL SECTION 3120

ENCRYPTION KEY GENERATING/ STORAGE SECTION 3140

SYSTEM CONTROL SECTION (CPU/MPU; ROM; RAM) 3020

DECRYPTION PROCESSING SECTION 3130

AUDIO DECODER (DECOMPRESSING SECTION FOR COMPRESSED AUDIO INFORMATION; AAC EXPANSION PROCESSING) 3320

COMMAND LINE

DATA LINE

SWITCHING SECTION (DATA/COMMAND BUS LINE) FOR OUTPU DATA AND/OR CONTROL INFORMATION TRANSFER DESTINATION 3220

IMAGE DECODER (DECOMPRESSING SECTION FOR COMPRESSED STILL IMAGE INFORMATION; JPEG EXPANSION PROCESSING) 3330

PAGE BUFFER 3430

VIDEO PROCESSING SECTION 3370

TEXT LINE BUFFER 3420

CHARACTER GENERATOR 3340

AUDIO BUFFER 3410

DAC 3360

EXTERNAL OUTPUT TERMINAL 3720 (TO HEAD PHONE OR SPEAKER)

IMAGE DISPLAY SECTION 3710 (SUCH AS COLOR LIQUID CRYSTAL DISPLAY SECTION OR THE LIKE)

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                    ●                        ●

                        ┌─────────────────┐
                        │      START      │
                        └─────────────────┘
                                 │
        ┌────────────────────────────────────────────────────┐
        │ MUTUAL AUTHENTICATION PROCESSING BETWEEN MEDIUM     │
        │ AND DEVICE (MEDIUM ID AND DEVICE ID CHECK) <ST10>   │
        └────────────────────────────────────────────────────┘
                                 │
        ┌────────────────────────────────────────────────────┐
        │ GENERATE COMMON ENCRYPTION KEY (DECRYPTION KEY)     │
        │ BETWEEN MEDIUM AND DEVICE (BASED ON RANDOM          │
        │ NUMBER), AND STORE GENERATED KEY <ST12>             │
        └────────────────────────────────────────────────────┘
                                 │
        ┌────────────────────────────────────────────────────┐
        │ ENCRYPTION PROCESSING FOR AUDIO (VOICE) AND/OR      │
        │ IMAGE INFORMATION BY COMMON ENCRYPTION KEY <ST14>   │
        └────────────────────────────────────────────────────┘
                                 │
        ┌────────────────────────────────────────────────────┐
        │ DURING RECORDING > PROCESSING FOR TRANSFERRING      │
        │ ENCRYPTED AUDIO/IMAGE INFORMATION TO MEDIUM         │
        │ DURING REPRODUCING > PROCESSING FOR TRANSFERRING    │
        │ ENCRYPTED AUDIO/IMAGE INFORMATION TO DEVICE <ST16>  │
        └────────────────────────────────────────────────────┘
                                 │
        ┌────────────────────────────────────────────────────┐
        │ DECRYPTION PROCESSING FOR AUDIO/IMAGE NFORMATION    │
        │ USING COMMON ENCRYPTION KEY INFORMATION  <ST18>     │
        └────────────────────────────────────────────────────┘
                                 │
                        ┌─────────────────┐
                        │       END       │
                        └─────────────────┘
```

F I G. 24

START

DETECT NUMBER
(THREE PIECES OF AOBI IN MUSIC #β IN FIG.8;)
(THREE PIECES OF TKI IN MUSIC B IN FIG.21)
OF PIECES OF AOBI (TKI IN FIG.21)
THAT FORM MUSIC NUMBER (TRACK)
FROM PGCSI/AOBSI OR THE LIKE IN FIG.5 OR 8 —— ST1000

ST1002 —— DETECTED NUMBER=1?

NO (A PLURALITY OF)
(PIECES OF AOBI)
(ARE DETECTED)

YES

ST1004
USE IMAGE POINTER
INFORMATION IPI (TKI_IOB_SRP)
IN AOBI (TKI) IN MUSIC NUMBER
(TRACK)

USE ONLY IMAGE POINTER
INFORMATION IPI
(TKI_IOB_SRP) IN FIRST AOBI
(TKI) IN MUSIC NUMBER (TRACK)
ST1006

READ RECORDED/UNRECORDED FLAG IN
FIG.16 OR 19 —— ST1008

ST1010 —— STILL IMAGE DATA
(IMG_xx.IOB) PRESENT? —— NO

YES

ACCESS STILL IMAGE DATA USING POINTER
INFORMATION IPI (TKI_IOB_SRP)
UPON PLAYBACK OF MUSIC NUMBER —— ST1012

ST1014 —— TEXT DATA (TXT_xx.TOB) PRESENT? —— NO

YES

ACCESS TEXT DATA USING TEXT POINTER
INFORMATION TPI OF FIRST TOBI
(TOBI#2 IN MUSIC #β IN FIG.13) THAT FORMS
MUSIC NUMBER (TRACK) FROM PGCSI/TOBSI IN
FIG.5 OR 13 —— ST1016

PLAY BACK AND DISPLAY STILL IMAGE
AND/OR TEXT —— ST1018

END

FIG. 25

START

GENERATE NEW MUSIC (TRACK) #α HAVING AOBI (TKI) #1 AND NEW MUSIC (TRACK) #ζ HAVING AOBI (TKI) #8 BY DIVIDING MUSIC #α HAVING AOBI (TKI) #1 IN FIG.4 ～ST2000

ST2002

DOES IMAGE POINTER INFORMATION IPI#1 CONTAINED IN MUSIC #α BEFORE DIVIDE PROCESS CONTAIN DESCRIPTION OF DISPLAY MODE INFORMATION (51, 52) ? NO

YES

ST2004

TRANSPLANT (COPY) DISPLAY MODE INFORMATION OF IMAGE POINTER INFORMATION IPI#1 CONTAINED IN MUSIC #α BEFORE DIVIDE PROCESS TO NEW MUSIC #α AND MUSIC #ζ GENERATED BY DIVIDE PROCESS

ST2006

DOES MUSIC #α BEFORE DIVIDE PROCESS CONTAIN DESCRIPTION OF TEXT POINTER INFORMATION TPI? NO

YES

ST2008

TRANSPLANT (COPY) TEXT POINTER INFORMATION TPI#1 CONTAINED IN MUSIC #α BEFORE DIVIDE PROCESS TO NEW MUSIC #α AND MUSIC #ζ GENERATED BY DIVIDE PROCESS

ST2010

SET TRANSPLANTED (COPIED) DISPLAY MODE INFORMATION AND/OR TEXT POINTER INFORMATION IN EACH AOBI (TKI) OF NEWLY GENERATED MUSIC #α AND MUSIC #ζ
(SUCH INFORMATION MAY BY SET NOT ONLY IN AOBI HAVING DISPLAY-VALID IPI BUT ALSO IN AOBI INCLUDING AOBI HAVING DISPLAY-INVALID IPI)

PLAY BACK AND DISPLAY STILL IMAGE AND/OR TEXT
(THAT CAN INCLUDE JACKET IMAGE, WORD CARD, ETC.)
WHILE SWITCHING THEM ON THE BASIS OF ALL PIECES OF
TRANSPLANTED (COPIED) INFORMATION
(INCLUDING DISPLAY MODE INFORMATION AND/OR TEXT INFORMATION)

ST2012

END

FIG.26

START   ST3000

GENERATE MUSIC #γ BY COMBINING MUSIC (TRACK) #α HAVING
AOBI (TKI) #1 AND MUSIC (TRACK) #β HAVING AOBI (TKI) #2
(IN THIS CASE, IN EXAMPLE IN FIG.1, TWO PIECES OF STILL IMAGE
INFORMATION IMG_03. IOB AND IMG_04. IOB OF MUSIC #β ARE
MERGED WITH TWO PIECES OF STILL IMAGE INFORMATION IMG_01.
IOB AND IMG_02. IOB SO THAT MUSIC #γ HAS FOUR PIECES OF
IMAGE INFORMATION IMG_01. IOB TO IMG_04. IOB

USE DISPLAY MODE INFORMATION (51,52 IN FIG.20) IN IMAGE POINTER
INFORMATION IPI OF AOBI #1 OF MUSIC #α TO BE DISPLAYED FIRST IN
COMBINED MUSIC (TRACK) #γ, AS DISPLAY MODE INFORMATION OF
COMBINED MUSIC #γ

ST3004   DOES DISPLAY MODE   ST3002
INFORMATION USED INCLUDE DESCRIPTION OF DISPLAY   NO
SEQUENCE SET MODE INFORMATION
ST3006   (51 IN FIG.20)?
                            YES

DETERMINE DISPLAY METHOD (SEQUENTIAL, RANDOM, SHUFFLE, BROWSE, ETC.)
OF STILL IMAGE (IMG_xx. IOB) OF MUSIC #γ IN ACCORDANCE WITH
CONTENTS OF DISPLAY SEQUENCE SET MODE INFORMATION

ST3008   DOES DISPLAY MODE
INFORMATION USED INCLUDE DESCRIPTION OF   NO
DISPLAY TIMING SET MODE INFORMATION
ST3010   (52 IN FIG.20)?
                            YES

DETERMINE DISPLAY TIMING
(DISPLAY SWITCHING TIMING OF STILL IMAGE IS SYNCHRONIZED
WITH BOUNDARY BETWEEN AUDIO FRAMES OF MUSIC #γ TO BE PLAYED
BACK, DISPLAY OF STILL IMAGES IS SWITCHED AT GIVEN TIME
INTERVALS USING TIMER, ETC.
OF STILL IMAGE (IMG_xx. IOB) OF MUSIC #γ IN ACCORDANCE
WITH CONTENTS OF DISPLAY TIMING SET MODE INFORMATION

PLAY BACK AND DISPLAY STILL IMAGES
(THAT CAN INCLUDE TEXT INFORMATION SUCH AS WORDS OR THE
LIKE AS NEEDED
WHILE SWITCHING THEM BY DETERMINED DISPLAY METHOD (DISPLAY ORDER)
AND/OR AT DETERMINED DISPLAY TIMING UPON PLAYBACK OF MUSIC #γ

ST3012   END   FIG. 27
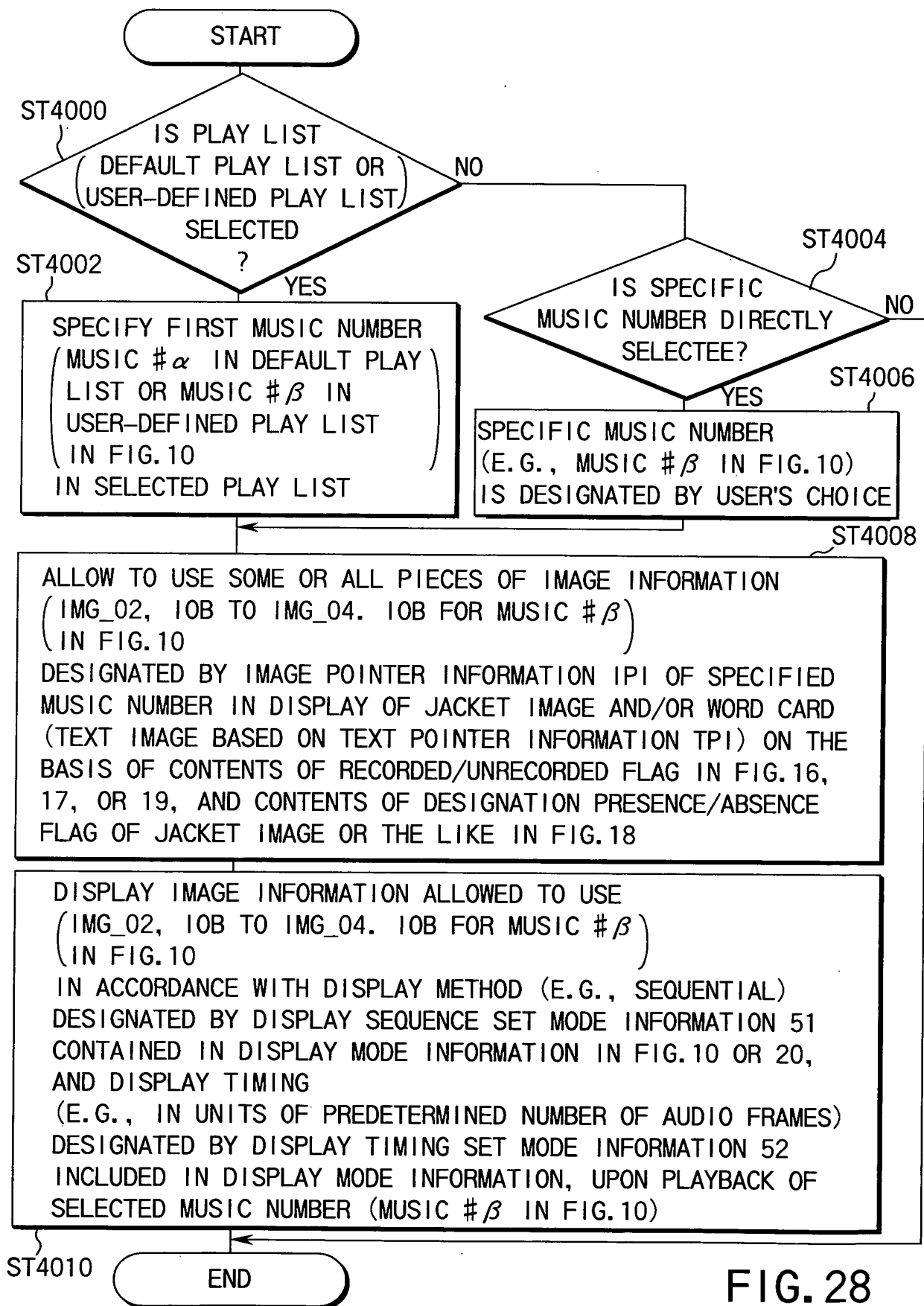
START

ST4000
IS PLAY LIST
DEFAULT PLAY LIST OR
USER-DEFINED PLAY LIST
SELECTED
?

NO

YES

ST4002
SPECIFY FIRST MUSIC NUMBER
(MUSIC #α IN DEFAULT PLAY
LIST OR MUSIC #β IN
USER-DEFINED PLAY LIST
IN FIG.10)
IN SELECTED PLAY LIST

ST4004
IS SPECIFIC
MUSIC NUMBER DIRECTLY
SELECTEE?

NO

YES

ST4006
SPECIFIC MUSIC NUMBER
(E.G., MUSIC #β IN FIG.10)
IS DESIGNATED BY USER'S CHOICE

ST4008
ALLOW TO USE SOME OR ALL PIECES OF IMAGE INFORMATION
(IMG_02, IOB TO IMG_04. IOB FOR MUSIC #β)
IN FIG.10
DESIGNATED BY IMAGE POINTER INFORMATION IPI OF SPECIFIED
MUSIC NUMBER IN DISPLAY OF JACKET IMAGE AND/OR WORD CARD
(TEXT IMAGE BASED ON TEXT POINTER INFORMATION TPI) ON THE
BASIS OF CONTENTS OF RECORDED/UNRECORDED FLAG IN FIG.16,
17, OR 19, AND CONTENTS OF DESIGNATION PRESENCE/ABSENCE
FLAG OF JACKET IMAGE OR THE LIKE IN FIG.18

DISPLAY IMAGE INFORMATION ALLOWED TO USE
(IMG_02, IOB TO IMG_04. IOB FOR MUSIC #β)
IN FIG.10
IN ACCORDANCE WITH DISPLAY METHOD (E.G., SEQUENTIAL)
DESIGNATED BY DISPLAY SEQUENCE SET MODE INFORMATION 51
CONTAINED IN DISPLAY MODE INFORMATION IN FIG.10 OR 20,
AND DISPLAY TIMING
(E.G., IN UNITS OF PREDETERMINED NUMBER OF AUDIO FRAMES)
DESIGNATED BY DISPLAY TIMING SET MODE INFORMATION 52
INCLUDED IN DISPLAY MODE INFORMATION, UPON PLAYBACK OF
SELECTED MUSIC NUMBER (MUSIC #β IN FIG.10)

ST4010
END

FIG. 28